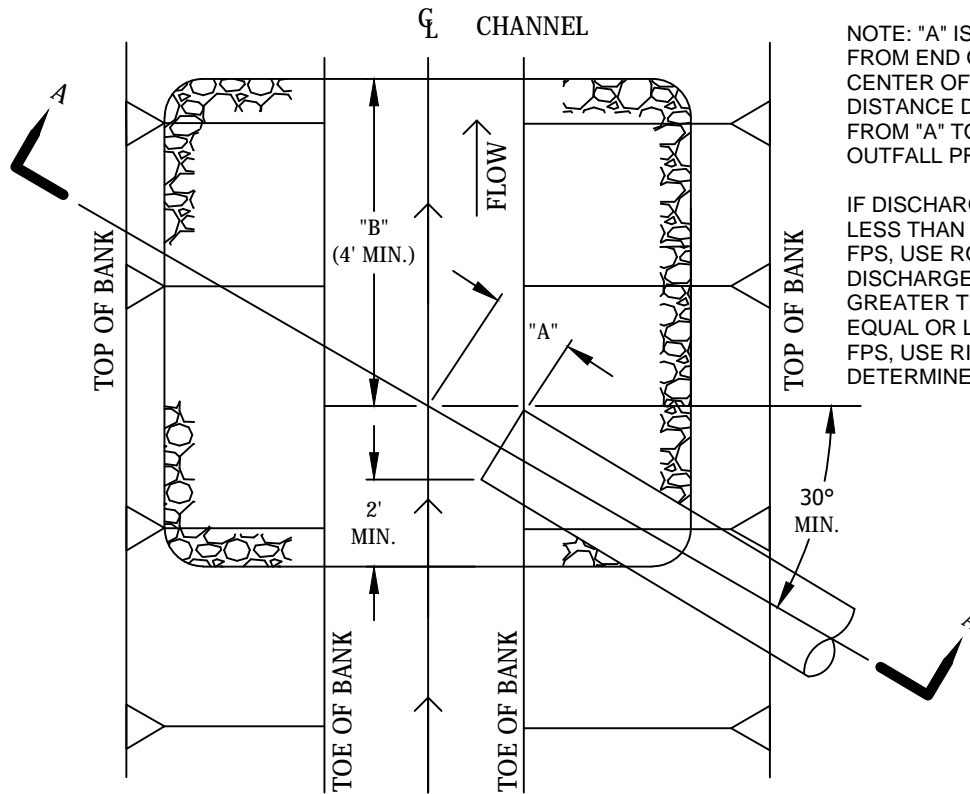


LAST REVISED: 1/2019



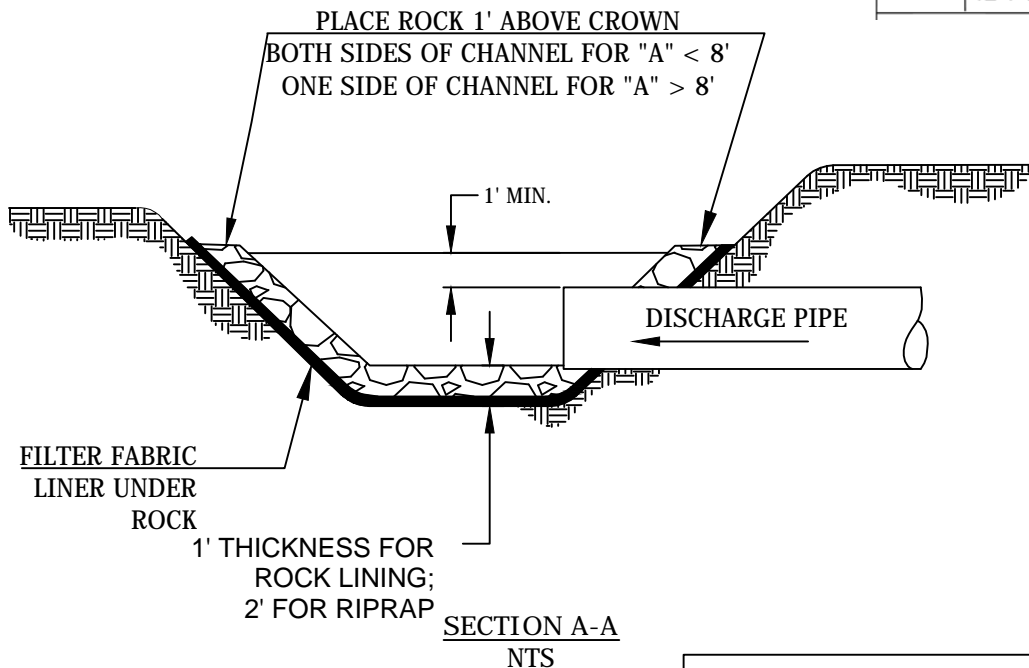
NOTE: "A" IS DISTANCE FROM END OF PIPE TO CENTER OF CHANNEL. "B" IS DISTANCE DOWNSTREAM FROM "A" TO END OF OUTFALL PROTECTION.

IF DISCHARGE VELOCITY IS LESS THAN OR EQUAL TO 5 FPS, USE ROCK LINING. IF DISCHARGE VELOCITY IS GREATER THAN 5 BUT EQUAL OR LESS THAN 10 FPS, USE RIPRAP. (TO BE DETERMINED BY ENGINEER)

PLAN  
NTS

REQUIRED DIMENSIONS

"A"+"B"	8' FOR ROCK LINING
	12' FOR RIP RAP



CITY OF KIRKLAND

PLAN NO. CK- D.43



OUTFALL  
PROTECTION